

LIBRARY

BOROUGH OF WORKINGTON.



ANNUAL REPORT

OF THE

Medical Officer of Health,
For the Year 1948.

BY

ROBERT W. MACPHERSON

M.D., CH.B., D.P.H.,

Medical Officer of Health.

BOROUGH OF WORKINGTON.



ANNUAL REPORT

OF THE

Medical Officer of Health,


For the Year 1948

BY

ROBERT W. MACPHERSON

M.D., CH.B., D.P.H.,

Medical Officer of Health.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b3029342x>

CONTENTS

| | PAGES |
|---|-------|
| STAFF | 4 |
| STATISTICAL AND SOCIAL CONDITIONS OF THE AREA | 7—9 |
| Population; Birth Rate; Death Rate; Causes of Death of Infants under 1 year; Causes of Death over 65 years. | |
| GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA | 10 |
| Laboratory Facilities. | |
| MATERNITY AND CHILD WELFARE | 10—13 |
| Midwifery Cases; Medical Examination of Expectant Women; Dental Treatment; Post-Natal Examinations; Institutional Treatment; Health Visitors; Notification of Births Act, 1936; Orthopaedic Treat- ment. | |
| CARE OF PREMATURE INFANTS AND ILLEGITIMATE CHILDREN | 14 |
| AMBULANCE SERVICE | 14—15 |
| SANITARY CIRCUMSTANCES OF THE AREA | 15—17 |
| Water Supply; Public Cleansing. | |
| HOUSING | 18—19 |
| INSPECTION AND SUPERVISION OF FOOD | 19—21 |
| Milk Supply; Meat and Other Foods. | |
| PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES | 21—26 |
| Cancer; Notifiable Diseases in Age Groups and Wards; Tuberculosis. | |
| SANITARY INSPECTION OF THE AREA | 27—31 |
| Inspections; Works Executed; Verminous Premises; Food Inspections. | |
| REGISTRAR-GENERAL'S TABLE OF DEATHS FOR 1948 | 31—32 |

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

| | | | |
|--|-----|-----|---|
| ROBERT W. MACPHERSON, M.D., Ch.B., D.P.H. | | | Medical Officer of Health. |
| R. E. FLETCHER, M.B., Ch.B. | | | Deputy Medical Officer of Health. |
| §*RICHARD JAMES | ... | ... | Chief Sanitary Inspector. Housing and Meat Inspector. |
| §*SIDNEY THOMPSON | ... | ... | Assistant Sanitary Inspector. (Resigned September, 1948). |
| *GEORGE ELLIOTT | ... | ... | Assistant Sanitary Inspector. (Resigned October, 1948). |
| §*PATRICK ELDON | ... | ... | Assistant Sanitary Inspector. (Appointed November, 1948). |
| *CHARLES E. PEARSON | ... | ... | Assistant Sanitary Inspector. (Appointed November, 1948). |
| NURSE MORGAN | ... | ... | Health Visitor. |
| NURSE STAPLE | ... | ... | Temporary Health Visitor. |
| NURSE CAVE | ... | ... | Municipal Midwife. |
| NURSE MURPHY | ... | ... | Municipal Midwife. |
| NURSE RICHMOND | ... | ... | Municipal Midwife. |
| NURSE WILLIAMS | ... | ... | Municipal Midwife. |
| Mrs. M. ROBINSON | ... | ... | Chief Clerk. |
| Miss M. KINSELLA | ... | ... | Clerk (Resigned June, 1948). |
| Miss M. TIERNEY | ... | ... | Clerk. |
| R. J. LESLIE FRASER, M.D., D.O.M.S. | | | Consulting Ophthalmic Surgeon, Carlisle, for Maternity and Child Welfare. |

* Certificate of R.S.I. and Sanitary Inspectors' Joint Board.

§ Certificate of Meat and Other Foods (R.S.I.).

PUBLIC HEALTH AND MATERNITY AND
CHILD WELFARE COMMITTEE.
1947-1948.

Alderman L. CASSON (Chairman).

THE MAYOR (Councillor A. Rowe).

Alderman D. J. MASON.

(Died 20th May, 1948).

„ S. WALKER.

Councillor J. ASKEW.

„ A. V. CATTRELL.

„ E. GRAHAM.

„ MRS. B. O. McKEATING.

„ H. H. McMANUS.

„ MRS. M. A. SMITH.

„ D. VICKERS.

„ A. YOUNG.

Mrs. JOHNSTONE

Mrs. MORLEY

Mrs. DODD

} *Co-opted Members Maternity
and Child Welfare.*

Mrs. E. APPLEBY, C.C.

Mr. J. J. ADAMS, J.P., C.A.

} *Co-opted Members from
Cumberland County
Council.*

Mr. J. R. COCKFIELD, Town Clerk.

TOWN HALL,
WORKINGTON,
June, 1949.

TO THE MEMBERS OF THE PUBLIC HEALTH
COMMITTEE.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my Annual Report for the year 1948.

In carrying out the provisions of the National Health Service Act, 1946, the Maternity and Child Welfare section of the Public Health Department was transferred to the Cumberland County Council on the 5th of July, 1948, which Authority, from that date, has become responsible for these services.

The general health of the inhabitants of the Borough, for 1948, has been very good.

The Vital Statistics are very satisfactory. The Birth Rate has shown a slight decline compared with the previous year. The general Death Rate is down from 12.7 to 10.9 per 1,000, and there is a record low Infantile Mortality Rate of 26.6 per 1,000 births.

Cases of Infectious Diseases have given little trouble. Measles became more numerous during the latter half of the year, but the total was half the number of the previous year.

Special reports have been submitted to the Committee by the Chief Sanitary Inspector, with regard to the preparation and distribution of food. Although there is an improvement a higher standard is still desired.

The housing position in the Borough shows a long waiting list of families who are overcrowded, living in rooms, etc., and who still require houses. The Housing Committee has a very difficult task to perform in letting houses, and as I now attend the Committee Meetings I can speak from personal experience. All applications are given careful consideration, and, as far as possible, the houses are let to those in greatest need. There were 252 families re-housed during the period of this report.

It is with great pleasure that I record the willing help and assistance I received from the members of the staff of the Public Health Department, who carry out their duties in an efficient manner. Furthermore, the co-operation I have received from the Heads of other Departments is much appreciated.

I am,
Ladies and Gentlemen,

Your obedient servant,
ROBERT W. MACPHERSON,
Medical Officer of Health.

SECTION A.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

| | Birth Rate per 1,000 population. | Death Rate per 1,000 population. | Infantile Mortality Rate per 1,000 live births. |
|--|--|--|---|
| WORKINGTON | 19.7 | 10.9 | 26.6 |
| England and Wales | 17.9 | 10.8 | 34.0 |
| Area (in acres) | | | 5,641 |
| Population (R.G.'s Estimate, 1948) | | | 28,540 |

VITAL STATISTICS.

Births.

| | Total. | Males. | Females. |
|--------------------|--------|--------|----------|
| Live Births | 563 | 288 | 275 |
| Legitimate | 542 | 277 | 265 |
| Illegitimate | 21 | 11 | 10 |

Birth Rate per 1,000 of Estimated Population = 19.7.

Still Births.

| | Total. | Males. | Females. |
|--------------------|--------|--------|----------|
| Legitimate | 10 | 4 | 6 |
| Illegitimate | 1 | 1 | — |
| | — | — | — |
| | 11 | 5 | 6 |
| | — | — | — |

Deaths.

| | Total. | Males. | Females. |
|--------------|--------|--------|----------|
| Deaths | 311 | 178 | 133 |

Deaths from Puerperal Causes.

| | Deaths. | Rate per 1,000 (live and still births). |
|------------------------------|---------|---|
| Puerperal Sepsis | Nil. | Nil. |
| Other Puerperal Causes | 2 | 3.4 |

Death Rate of Infants under 1 year of age.

| | |
|---|------|
| All Infants per 1,000 Live Births | 26.6 |
| Legitimate Infants per 1,000 | |
| Legitimate Live Births | 27.6 |
| Illegitimate Infants per 1,000 | |
| Illegitimate Live Births | Nil |
| Deaths from Cancer (all ages) | 48 |
| Measles (all ages) | Nil |
| Whooping Cough (all ages) | 1 |
| Diarrhoea (under 2 years) | 2 |

DETAILS OF CAUSES OF DEATHS OF INFANTS
UNDER ONE YEAR.

| CAUSE OF DEATH. | Under 1 Week. | 1-2 Weeks. | 2-3 Weeks. | 3-4 Weeks. | Total Under 1 Month. | 1-3 Months. | 3-6 Months. | 6-9 Months. | 9-12 Months. | Total Deaths under One Year. |
|---|---------------|------------|------------|------------|----------------------|-------------|-------------|-------------|--------------|------------------------------|
| Measles | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Scarlet Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Whooping Cough | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Diphtheria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Convulsions... .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Laryngitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bronchitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Pneumonia | ... | ... | ... | ... | ... | ... | ... | 2 | 1 | 3 |
| Diarrhoea | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Enteritis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gastritis | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 2 |
| Suffocation, overlaying Atrophy, Debility and Marasmus | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Marasmus | 2 | ... | ... | ... | 2 | ... | ... | ... | ... | 2 |
| Congenital Malformations | 2 | ... | ... | ... | 2 | ... | ... | ... | ... | 2 |
| Premature Birth | 4 | 1 | ... | ... | 5 | ... | ... | ... | ... | 5 |
| Other Causes | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| TOTAL ... | 8 | 1 | ... | ... | 9 | ... | 1 | 3 | 2 | 15 |

DEATHS OF RESIDENTS IN AGE GROUPS.

| | Under 1 Year | 1-5 | 5-15 | 15-25 | 25-45 | 45-65 | 65 and over | Total |
|---------|--------------------|-----|------|-------|-------|-------|----------------|-------|
| Males | 11 | 2 | ... | 3 | 24 | 48 | 90 | 178 |
| Females | 4 | 1 | 2 | 5 | 11 | 26 | 84 | 133 |
| Total | 15 | 3 | 2 | 8 | 35 | 74 | 174 | 311 |

CAUSES OF DEATH OVER 65 YEARS.

| CAUSE OF DEATH | 65-70 | 70-75 | 75-80 | 80-85 | 85-90 | 90 and over | Total |
|----------------------------|-------|-------|-------|-------|-------|----------------|-------|
| Cerebral Haemorrhage, etc. | 9 | 9 | 12 | 5 | ... | ... | 35 |
| Heart Disease ... | 10 | 23 | 25 | 9 | 6 | .. | 73 |
| Cancer ... | 6 | 10 | 5 | 5 | 2 | ... | 28 |
| Bronchitis ... | 2 | 2 | 4 | 2 | 1 | .. | 11 |
| Pneumonia ... | ... | 2 | ... | 1 | 1 | ... | 3 |
| Senility ... | ... | 2 | 3 | 1 | 2 | 2 | 10 |
| Suicide ... | ... | ... | ... | ... | ... | ... | ... |
| Other Violence ... | ... | ... | 1 | ... | ... | ... | 1 |
| Nephritis ... | 1 | ... | 2 | ... | ... | ... | 3 |
| Tuberculosis ... | 1 | ... | ... | ... | ... | ... | 1 |
| Diabetes ... | ... | 1 | 1 | ... | ... | ... | 2 |
| Influenza ... | ... | 1 | ... | ... | ... | ... | 1 |
| Other Defined Diseases | ... | 3 | 3 | ... | ... | ... | 6 |
| TOTAL ... | 29 | 53 | 56 | 22 | 12 | 2 | 174 |

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Cumberland Pathological and Bacteriological Laboratory, Carlisle.

| | |
|------------------------------|-------|
| Blood for Typhoid | — |
| Sputa for Tuberculosis | 107 |
| Swabs for Diphtheria | 22 |
| Miscellaneous | 2 |
| | <hr/> |
| | 131 |
| | <hr/> |

The following tables cover the period 1st January to the 4th July, 1948.

Midwives' Act, 1936.

Cases attended during the period:—

| | Jan. | Feb. | Mar. | April. | May. | June. |
|-------------------------|------|------|------|--------|------|-------|
| Midwifery Cases | 19 | 34 | 28 | 22 | 21 | 10 |
| Nursing Visits | 422 | 548 | 474 | 384 | 356 | 282 |
| Ante-Natal Visits | 250 | 264 | 174 | 170 | 228 | 158 |

| | |
|---|-------|
| Total Number of Cases | 134 |
| Total Number of Nursing Visits | 2,466 |
| Total Number of Ante-Natal Visits | 1,244 |

Medical Examination of Expectant Women.

All uninsured expectant women are medically examined at least once during the expectant period.

| | Place of Examination. | | | | Total |
|-----------------|-----------------------|--------------|--------|------------|-------|
| | At Home | Dr's Surgery | Clinic | Infirmmary | |
| 1st Examination | 5 | 99 | 81 | 61 | 246 |
| 2nd Examination | 5 | 36 | 33 | 26 | 100 |
| 3rd Examination | ... | 8 | 1 | 1 | 10 |
| 4th Examination | ... | ... | ... | ... | ... |
| | 10 | 143 | 115 | 88 | 356 |

Findings at Examinations.

| | |
|----------------------|-----------------|
| Normal Cases | 220 |
| Abnormal Cases | 26 |
| | <hr/> 246 <hr/> |

Recommended for Hospital.

| | |
|--|----|
| (a) On account of home conditions | 10 |
| (b) On account of patient's condition | 9 |
| Recommended to have a Doctor at confinement .. | 2 |
| Recommended to have a Specialist's opinion | 4 |
| Recommended to have dental treatment | 10 |
| Recommended to have X-ray examination | 7 |

*Summary of Abnormalities found during
Ante-Natal Examinations.*

| | |
|------------------------------|----------------|
| Vaginal Discharge | 1 |
| Haemorrhage | 1 |
| Malpresentation | 8 |
| Albuminuria and Oedema | 7 |
| Contracted Pelvis | 6 |
| Heart Conditions | — |
| Anaemia | 1 |
| Varicose Veins | 2 |
| Other Conditions | — |
| | <hr/> 26 <hr/> |

Dental Treatment of Expectant Women.

The number of expectant women who were recommended to have dental treatment was 10, 9 of whom actually received treatment.

Post Natal.

| | Place of Examination. | | | | Total |
|-----------------|-----------------------|--------------|--------|-----------|-------|
| | At Home | Dr's Surgery | Clinic | Infirmary | |
| 1st Examination | 91 | 6 | ... | 98 | 195 |
| 2nd Examination | 12 | 3 | 1 | ... | 16 |
| | 103 | 9 | 1 | 98 | 211 |

Health Visitors.

The following were the home visits paid by the Health Visitors:—

A.—Visits paid to Infants under 1 years:—

| | |
|--------------------|-------|
| First Visits | 252 |
| Total Visits | 1,867 |

B.—Visits paid to Children between 1-5 years 3,858

C.—Expectant Mothers:—

| | |
|--------------------|-----|
| First Visits | Nil |
| Total Visits | Nil |

The following shows the amount of Milk and Malt Foods issued during the period:—

| | Milk Foods. | Malt Foods. | Total. |
|-------------------|----------------|----------------|--------|
| Free Issues | 36 | 52 | 98 |
| Sales | 3,048 | 817 | 3,865 |
| | 3,084 | 869 | 3,963 |

Notification of Births Act, 1907.

| | |
|------------------------------------|-------|
| No. of Live Births Notified | 314 |
| No. of Still Births Notified | 3 |
| | <hr/> |
| | 317 |
| | <hr/> |

Births Notified by :—

| | |
|--------------------------------|-------|
| (a) Midwives | 302 |
| (b) Doctors | 4 |
| (c) Doctors and Midwives | 11 |
| | <hr/> |
| | 317 |
| | <hr/> |

Orthopaedic Treatment.

The scheme for the treatment of infant cripples continues to give good results. Medical Practitioners are always ready to make use of this scheme by referring cases for treatment.

| | |
|--|----|
| No. of cases on Register on the 1st January, 1948 | 32 |
| No. of new cases ascertained | 7 |
| No. of cases on Register on the 5th July, 1948 | 39 |

Of the thirty-nine cases on the Register, the causes of crippling conditions were due to :—

| | |
|--------------------------|-------|
| Injury at Birth | 2 |
| Rickets | 12 |
| Congenital Defects | 7 |
| Talipes | 9 |
| Other Defects | 7 |
| Slight Paralysis | 2 |
| | <hr/> |
| | 39 |
| | <hr/> |

THE CARE OF PREMATURE INFANTS AND OF ILLEGITIMATE CHILDREN.

Premature Births.

The suggestions in the Ministry of Health Circular 20/44, dated 22nd March, 1944, have been carried out in a similar manner as explained in the Annual Report of last year.

The number of premature infants notified during the period 1st January—4th July, 1948, was 12.

Illegitimate Children.

A special register of all illegitimate children is kept by the Health Visitors, and special reports are furnished in all cases. As mentioned in my previous Annual Report, there is complete co-operation between the Health Visitors and the Social Moral Welfare Officer of the district, so that advice can be given in helping the mother and safeguarding the welfare of the child.

There have been 13 illegitimate children born during the period, 1st January—4th July, 1948.

AMBULANCE SERVICE.

During the year the ambulance carried 405 patients and made 382 journeys, covering 16,403 miles.

AMBULANCE JOURNEYS :

| | |
|------------------|-----|
| Carlisle | 168 |
| Whitehaven | 65 |
| Workington | 137 |
| | 370 |

SPECIAL JOURNEYS :

| | |
|----------------------|----|
| Harrogate | 1 |
| Newcastle | 4 |
| Shotley Bridge | 4 |
| Windermere | 3 |
| | — |
| | 12 |
| | — |

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

In my Annual Report of last year certain recommendations of the Gathering Grounds Sub-Committee of the Central Advisory Committee, in regard to Workington's Water Undertaking, were mentioned. The action taken in regard to these recommendations were as follows.

Firstly, the defective septic tank at Kirkstile Inn has been reconstructed, and is now in a satisfactory working order. Careful control over treatment of sewage effluent flowing into the stream at the head of Crummock Lake is being exercised by the officials of the Cockermouth Rural District.

Secondly, during the year fifteen bacteriological examinations were made of the raw and treated water. On two occasions, in July, samples of the raw water were reported as suspicious of contamination. In view of this, further samples of the raw water and treated water were sent for examination. The results of these analyses were satisfactory.

The report of Messrs. Herbert Lapworth Partners was received in November and considered by the Water Committee, at which Meeting representatives of the Cockermouth Rural and Urban District Councils were present. Very careful consideration was given to this report, and it was resolved: (a) That an efficient chlorination plant

be installed, and (b) That the water be treated to prevent incrustation in mains and necessity for scraping. No decision was made in regard to filtration.

During the year 5,000 lineal yards of water mains were laid in the Borough.

I am indebted to Mr. Handel Kay, Borough Water Engineer, for the following note on Workington's new Reservoir.

The scheme for the provision of a high level water supply commenced at the end of 1947 has made good progress, and the reservoir itself has been practically completed. A considerable quantity of steel and iron pipes have been delivered for the purpose of the mains. Contracts have been let for the laying of the mains, the purchase of pumping equipment and the building of a pump house. Two 105 h.p. pumps have been delivered and are awaiting installation.

The scheme comprises the construction of a reinforced concrete service reservoir at Winscales, at a level of 455 feet above sea level, which will be filled with water brought down to Stainburn Reservoir by gravity and pumped through an 18in. diameter steel rising main to the new reservoir. Water from the reservoir will be brought through a 12in. distribution main from Winscales to the town to serve the higher areas.

The construction should be completed during 1950, and will ensure, when brought into operation, that every part of the Borough will be given a water supply at adequate pressure.

Refuse Collection and Disposal.

The system of refuse collection is much the same as in previous years. It is hoped that at some early date all houses will have covered refuse bins, instead of using a variety of containers such as boxes, buckets, etc.

A few years ago a bi-weekly collection of refuse in certain parts of the town was cut down to a weekly collection. Since this change was made circumstances

have altered as a result of the war. Fuel is rationed and costly. In warm weather householders, as far as possible, do without fires. Labour saving devices are made use of, and hot water is obtained by means of immersion heaters. The result is that household waste is not burned, and in many cases the refuse bins are filled with a mass of garbage which quickly becomes decomposed and foul smelling—making an ideal breeding ground for flies.

Refuse Disposal.

The refuse tip on the Cloffocks is nearly filled up, and another refuse tip, or some other means of dealing with the Town's refuse is under consideration. However, in the event of the tipping method of refuse disposal being adopted by the Council, it is hoped that control tipping, in the true sense of the word, will be carried out.

When a new tip, or other means of disposal, has been decided upon it might be opportune to discuss the whole method of refuse collection, tipping and disposal, as there are, no doubt, many improvements which could be made.

Drainage and Sewerage.

I am able to report that more attention has been paid to the cleansing of street gullies.

Members of the Streets Committee saw a demonstration of cleansing and flushing of street gullies by mechanical means. It was generally agreed that this method was very satisfactory.

During the year 211 street gullies have been constructed and 6,433 lineal yards of sewer mains have been laid in the Borough.

SECTION D.

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :

- (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 453
- (b) Number of inspections made for this purpose 1586
- (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 Nil
- (b) Number of inspections made for this purpose Nil
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 5
- (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects fit for human habitation 448

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or other officers 385

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :

- (a) Proceedings under Sections 9, 10 and 16 of Housing Act, 1936 :
 - (1) Number of dwelling-houses in respect of which notices were served requiring repairs 24
 - (2) Number of dwelling-houses which were rendered fit after service of formal notices :
 - (a) By Owners 24
 - (b) By Local Authority in default of Owners Nil

- (b) Proceedings under Public Health Acts :
- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 39
 - (2) Number of dwelling-houses in which defects were remedied after service of formal notices :
 - (a) By Owners 39
 - (b) By Local Authority in default of Owners Nil
- (c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 :
- (1) Number of dwelling-houses in respect of which Demolition Orders were made 1
 - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders 1
- (d) Proceedings under Section 12 of the Housing Act, 1936 :
- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made Nil
 - (2) Number of separate tenements or underground room in respect of which Closing Orders were determined, the tenement or room having been rendered fit Nil

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Following the adverse report by the Chief Sanitary Inspector in 1947 regarding the unsatisfactory condition of many premises where food is stored, prepared or sold, special attention has been given to this matter during the year and I am pleased to report many structural alterations to modernise preparing rooms, etc. It has been found that traders generally appear anxious to improve their premises, and every assistance and advice have been

given by the Sanitary Inspectors. Always, however, bearing in mind, the recent Ministry of Food circular requesting "food traders be encouraged to improve the hygienic conditions of their premises so far as labour, materials and equipment are available for this purpose, but always appreciating the Government's policy restricting capital investment, and to require improvements considered essential to bring about compliance with the law, or to prevent danger to health."

Attention has also been given to cleanliness of persons, premises and implements, ventilation, temperature, sanitary arrangements for both sexes, washing facilities and vermin (mice, cockroaches, etc.). During the past few years there has been an increase in the number of food poisoning cases in the country, and the Ministry of Health has sponsored a campaign to educate all engaged in the food trade to practice cleanliness so as to eliminate such outbreaks, and regular washing of hands is one essential.

Milk Supply.

The number of milk producers in the Borough is 18, and there are 35 retailers. Tubercular tested milk is produced on 5 farms, and accredited milk is produced on 2 farms. Two purveyors are licenced to retail pasteurised milk.

During the year 93 samples of milk were obtained and submitted for bacteriological examination, and 56 proved satisfactory to the prescribed tests. Of the 37 samples declared unsatisfactory, 22 failed the methylene blue test, 8 the bacillus coli test, and 7 failed both tests.

Unsatisfactory results have again been the cause of much time being spent investigating the causes. During the year 4 registered dealers appeared before the Committee owing to continued adverse reports.

The sale of bottled milk is increasing, and the use of the metal disc covering the entire neck of the bottle is much preferred to the unwaxed and absorbent cardboard discs. The sale of loose milk should be discontinued, and

the habit of many roundsmen in hanging measures to their cans or pockets is deplorable. The consumption of heat treated milk has increased.

Ice Cream.

The Ice Cream (Heat Treatment) Regulations have received the full co-operation of the trade, and the reports by the Chief Sanitary Inspector are very satisfactory.

Twenty--three samples of ice cream were submitted for bacteriological examination—15 being placed in Grade I, 5 in Grade II, 1 in Grade III and 2 in Grade IV. Samples placed in Grades I and II can be regarded as satisfactory.

SECTION F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The chief points of interest regarding the prevalence of infectious diseases were as follows. Generally speaking infectious diseases gave very little trouble throughout the year. Small number of cases of Scarlet Fever. Only two notifications of Diphtheria. No cases of Acute Poliomyelitis or Typhoid Fever. Measles in epidemic form towards the end of the year.

Scarlet Fever.

There were nineteen notifications of Scarlet Fever compared with fifteen in the previous year. Ten cases were removed to Hospital. The infection was of a mild type, and there were no deaths from this disease.

Diphtheria.

Two notifications of Diphtheria were received—the same number as last year. Both cases had not been immunised. After a period of treatment in Hospital both cases recovered. There has been no death from Diphtheria for over four years.

The Cumberland County Council became the responsible Authority for providing Diphtheria Immunisation from the 5th July, 1948.

Typhoid Fever and Acute Polio-Encephalitis.

There were no notifications received of these diseases.

Cerebro-Spinal Meningitis.

There were two cases of Cerebro-Spinal Meningitis. One, a child aged 3 years, after a period of treatment recovered from the illness. Another, a man aged 68 years, had a severe attack, and died after four days' illness. Both cases were removed to Carlisle Infectious Diseases Hospital.

Measles.

Cases of Measles occurred in small numbers in the early part of the year, but increased to epidemic form in the last half of the year. Notifications to the number of 245 were recorded. There was no death from this disease.

Whooping Cough.

There were 66 notifications of Whooping Cough. One case, a boy aged 3 years, died after removal to Hospital.

Chickenpox.

There were 208 notifications of Chickenpox during the year. The greatest number occurred in the first half of the year.

Ophthalmia Neonatorum.

Two notifications of Ophthalmia Neonatorum were received. The cases were treated by Dr. Leslie Fraser, and the eye conditions cleared up.

CANCER.

The number of deaths from Cancer was 48, four less than in the previous year.

The following table shows the number of deaths from Cancer, according to age and sex distribution:—

| <i>Age Group.</i> | <i>Males.</i> | <i>Females.</i> | <i>Total.</i> |
|-------------------|---------------|-----------------|---------------|
| 30—40 years | — | 1 | 1 |
| 40—50 years | 6 | 2 | 8 |
| 50—60 years | 4 | 2 | 6 |
| 60—70 years | 7 | 7 | 14 |
| 70—80 years | 7 | 5 | 12 |
| 80—90 years | 3 | 4 | 7 |
| | — | — | — |
| | 27 | 21 | 48 |
| | — | — | — |

LOCALISATION OF DISEASE IN CANCER DEATHS.

| | <i>M.</i> | <i>F.</i> | <i>Total.</i> |
|--------------------------------------|-----------|-----------|---------------|
| Cancer of Mouth and Oesophagus | 4 | — | 4 |
| Cancer of Uterus | — | 2 | 2 |
| Cancer of Stomach | 8 | 2 | 10 |
| Cancer of the Breast | — | 7 | 7 |
| Cancer of all other sites | 15 | 10 | 25 |
| | — | — | — |
| | 27 | 21 | 48 |
| | — | — | — |

NOTIFIABLE DISEASES IN AGE GROUPS AND WARDS during the year.

| DISEASE. | AGE PERIODS | | | | | | | | | | | WARDS. | | | | | | | Total Cases Notified. | Removed to Hospital | Deaths | |
|----------------------|--------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|-------------|------------------|------------------|--------------------|--------------------|-------------|------------|-----------------------|---------------------|--------|-----------------|
| | Under 1 year | 1 — 2 | 2 — 3 | 3 — 4 | 4 — 5 | 5 — 10 | 10 — 15 | 15 — 20 | 20 — 35 | 35 — 45 | 45 — 65 | 65 and over | St. John's North | St. John's South | St. Michael's West | St. Michael's East | Seaton Ward | South Ward | | | | Harrington Ward |
| | | | | | | | | | | | | | | | | | | | | | | |
| Smallpox ... | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | |
| Diphtheria ... | — | 1 | — | — | — | 7 | 3 | — | — | — | — | — | 4 | — | — | 2 | — | 3 | 5 | 1 | 2 | |
| Scarlet Fever | — | 1 | — | 2 | 5 | — | — | — | 1 | — | — | — | — | — | 4 | — | 1 | — | — | 19 | | |
| Enteric Fever | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Puerperal Pyrexia .. | — | — | — | — | — | — | — | — | 8 | — | — | 1 | — | — | 3 | — | 1 | — | 2 | 8 | | |
| Cerebro-spinal Fever | — | — | — | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | 2 | | |
| Pulmonary | — | — | — | — | — | — | — | — | — | — | — | — | 2 | 4 | 5 | 2 | 7 | 9 | 11 | 40 | | |
| Tuberculosis | — | — | — | — | — | 5 | 4 | 1 | 17 | 7 | 6 | — | — | — | — | — | — | — | — | 17 | | |
| Non-pulmonary | — | — | — | — | — | 2 | 2 | 2 | 3 | 2 | 3 | — | — | — | 4 | 1 | 2 | 4 | 5 | 16 | | |
| Tuberculosis | 10 | 18 | 12 | 13 | 38 | 96 | 15 | 2 | 2 | 2 | 8 | — | 9 | 6 | 45 | 14 | 17 | 87 | 30 | 208 | | |
| Chickenpox | — | — | — | — | — | — | — | 1 | 1 | 2 | 2 | 4 | — | — | 1 | — | 3 | 4 | 5 | 16 | | |
| Erysipelas ... | — | — | — | — | — | — | — | — | — | — | — | — | 3 | — | — | — | — | — | — | — | | |
| Ophthalmia | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | 2 | | |
| Neonatorum | 2 | — | 2 | — | — | — | — | — | — | — | — | — | — | 2 | — | — | 1 | — | — | 2 | | |
| Pneumonia .. | 1 | — | — | — | — | — | — | — | 2 | — | 2 | 1 | 1 | — | — | 2 | 1 | 2 | — | 8 | | |
| Dysentery | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Whooping Cough .. | 4 | 11 | 10 | 21 | 8 | 12 | — | — | — | — | — | — | 5 | 2 | 18 | 4 | 6 | 22 | 9 | 66 | | |
| Measles ... | 10 | 34 | 42 | 30 | 45 | 82 | 1 | — | — | — | 1 | — | 12 | 24 | 38 | 13 | 34 | 102 | 22 | 245 | | |
| Acute | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Polioencephalitis | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Acute Encephalitis | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Lethargica .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |

Tuberculosis.

Deaths from all forms of Tuberculosis were as follows:—

| Age Periods. | New Cases. | | | | Deaths. | | | |
|--------------|------------|-----|----------------|-----|------------|-----|----------------|-----|
| | Pulmonary. | | Non-Pulmonary. | | Pulmonary. | | Non-Pulmonary. | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| 0—1 | ... | ... | ... | ... | ... | .. | .. | .. |
| 1—5 | ... | ... | 1 | ... | 1 | ... | ... | ... |
| 5—10 | 3 | 2 | 4 | ... | ... | .. | ... | .. |
| 10—15 | 2 | 1 | 1 | ... | ... | .. | ... | ... |
| 15—20 | ... | 2 | ... | 2 | ... | ... | ... | ... |
| 20—25 | 2 | 4 | 1 | 2 | 1 | 2 | ... | ... |
| 25—35 | 7 | 4 | ... | 2 | 2 | 3 | ... | ... |
| 35—45 | 6 | 2 | .. | ... | .. | 1 | 1 | ... |
| 45—55 | 2 | 2 | 2 | ... | 4 | 1 | ... | ... |
| 55—65 | ... | 1 | 1 | .. | 1 | 1 | ... | ... |
| 65 & over. | ... | ... | ... | .. | 1 | .. | ... | ... |
| Total | 22 | 18 | 10 | 6 | 10 | 8 | 1 | ... |

DEATHS FROM TUBERCULOSIS IN THE
VARIOUS WARDS.

| | St. John's North | St. John's South | St. Michael's West | St. Michael's East | South Ward | Seaton Ward | Harrington Ward | TOTAL |
|----------------------------|------------------|------------------|--------------------|--------------------|------------|-------------|-----------------|-------|
| Pulmonary Tuberculosis | 1 | 3 | ... | 3 | 5 | 5 | 1 | 18 |
| Non-Pulmonary Tuberculosis | ... | 1 | ... | ... | ... | ... | ... | 1 |

The following table shows the number of Tuberculosis cases on the Register at December 31st, 1948 :—

| PULMONARY. | | | NON-PULMONARY. | | | Total Cases on Register. |
|------------|---------|-------|----------------|---------|-------|--------------------------------|
| Males. | Females | Total | Males | Females | Total | |
| 68 | 40 | 108 | 27 | 32 | 59 | 167 |

SANATORIUM TREATMENT.

| | In Insti- tutions 1st. Jan. 1948. | Admit- ted. | Dis- charged | Died. | In Insti- tutions 31st Dec. 1948. |
|----------------------------|--|----------------|-----------------|----------|--|
| Pulmonary Cases— | | | | | |
| Adult Males ... | 8 | 7 | 4 | 1 | 10 |
| Adult Females .. | 4 | 9 | 4 | 2 | 7 |
| Children ... | 6 | 1 | 4 | ... | 3 |
| Non-Pulmonary Cases | | | | | |
| Adult Males ... | ... | ... | ... | .. | ... |
| Adult Females ... | ... | ... | ... | ... | ... |
| Children ... | ... | ... | ... | ... | ... |
| TOTAL ... | 18 | 17 | 12 | 3 | 20 |

SANITARY INSPECTION OF THE AREA.

ANNUAL REPORT OF THE SANITARY INSPECTOR

*To R. W. Macpherson, Esq., M.D., D.P.H.,
Medical Officer of Health.*

Sir,

I herewith submit the following statement showing the number and nature of inspections, etc., during the 1948 year, also the number of notices served and the various items dealt with:—

| | | | | | | |
|---|-----|-----|-----|-----|-----|------|
| General Inspections | ... | ... | ... | ... | ... | 1539 |
| Inquiries re Infectious Diseases, Disinfection of Premises, etc. | ... | ... | ... | ... | ... | 125 |
| Testing drains | ... | ... | ... | ... | ... | 355 |
| Cinemas | ... | ... | ... | ... | ... | 53 |
| Social Clubs and Hotels | ... | ... | ... | ... | ... | 84 |
| Schools | ... | ... | ... | ... | ... | 129 |
| Factories | ... | ... | ... | ... | ... | 435 |
| Bakehouses | ... | ... | ... | ... | ... | 151 |
| Offensive Trades | ... | ... | ... | ... | ... | 92 |
| Stables and Piggeries | ... | ... | ... | ... | ... | 96 |
| Rat Infested Premises | ... | ... | ... | ... | ... | 156 |
| Verminous Premises | ... | ... | ... | ... | ... | 162 |
| Knacker's Yard | ... | ... | ... | ... | ... | 69 |
| Houses Let in Lodgings | ... | ... | ... | ... | ... | 121 |
| Fish and Chip Shops | ... | ... | ... | ... | ... | 214 |
| Shops Visited re Shops Act | ... | ... | ... | ... | ... | 62 |
| Food and Drugs Act | ... | ... | ... | ... | ... | 151 |
| Shops Visited re Meat and other Foods | ... | ... | ... | ... | ... | 423 |
| Market Stalls and Carts | ... | ... | ... | ... | ... | 57 |
| Cowsheds and Dairies | ... | ... | ... | ... | ... | 270 |
| Ice Cream | ... | ... | ... | ... | ... | 284 |
| Caravans | ... | ... | ... | ... | ... | 96 |
| Interviews with Owners, Tradesmen, etc. | ... | ... | ... | ... | ... | 411 |
| Revisits | ... | ... | ... | ... | ... | 2319 |
| Samples of Milk for Bacteriological Examination | ... | ... | ... | ... | ... | 93 |

NOTICES SERVED.

| | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|
| Informal Notices | ... | ... | ... | ... | ... | 453 |
| Statutory Notices | ... | ... | ... | ... | ... | 63 |

At the end of the year 71 informal notices remained to be dealt with.

The attention of the Borough Surveyor has been called to the following defects:—

| | | | | | | |
|--|-----|-----|-----|-----|-----|----|
| Dangerous premises | ... | ... | ... | ... | ... | 9 |
| Choked Sewers or Street Gullies | ... | ... | ... | ... | ... | 11 |
| Waste or Poor Pressure of Water, Defective | | | | | | |
| Stop Taps, etc. | ... | ... | ... | ... | ... | 11 |
| Removal of Refuse, etc. | ... | ... | ... | ... | ... | 6 |
| Repairs to Corporation Property | ... | ... | ... | ... | ... | 19 |

SUMMARY OF WORKS EXECUTED.

DRAINAGE, ETC. :—

| | | | | | | |
|--|-----|-----|-----|-----|-----|----|
| Drains relaid | ... | ... | ... | ... | ... | 27 |
| Cleansed or repaired | ... | ... | ... | ... | ... | 62 |
| New gullies | ... | ... | ... | ... | ... | 29 |
| Cleared by vacuum pump free of cost to owner | | | | | | 55 |
| New sinks fixed | ... | ... | ... | ... | ... | 24 |
| Waste pipes renewed or fixed | ... | ... | ... | ... | ... | 19 |
| Ventilation pipe renewed | ... | ... | ... | ... | ... | 2 |

WATER CLOSETS :—

| | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|----|
| Repaired or cleansed | ... | ... | ... | ... | ... | 32 |
| Cisterns repaired or renewed | ... | ... | ... | ... | ... | 65 |
| Service pipes repaired | ... | ... | ... | ... | ... | 44 |
| New basins fixed | ... | ... | ... | ... | ... | 96 |
| Flush pipes renewed | ... | ... | ... | ... | ... | 3 |
| Leaking joints repaired | ... | ... | ... | ... | ... | 29 |
| Seats repaired or renewed | ... | ... | ... | ... | ... | 14 |
| Doors repaired or renewed | ... | ... | ... | ... | ... | 11 |
| Floors repaired or renewed | ... | ... | ... | ... | ... | 4 |
| Cleansed or limewashed | ... | ... | ... | ... | ... | 6 |
| New traps fixed | ... | ... | ... | ... | ... | 3 |
| Roofs | ... | ... | ... | ... | ... | 31 |
| Soilpipes | ... | ... | ... | ... | ... | 9 |
| Plasterwork | ... | ... | ... | ... | ... | 11 |
| Walls | ... | ... | ... | ... | ... | 24 |

HOUSES :—

| | | | | | |
|-------------------------------------|-----|-----|-----|-----|----|
| Roofs repaired | ... | ... | ... | ... | 93 |
| Chimneys repaired | ... | ... | ... | ... | 23 |
| Spouts cleansed or repaired | ... | ... | ... | ... | 92 |
| Window frames repaired or renewed | ... | ... | ... | ... | 31 |
| Sashcords renewed | ... | ... | ... | ... | 19 |
| Ceilings repaired or renewed | ... | ... | ... | ... | 27 |
| Exterior walls remedied of dampness | ... | ... | ... | ... | 37 |
| Interior walls remedied of dampness | ... | ... | ... | ... | 75 |
| Wall plaster remedied | ... | ... | ... | ... | 27 |
| Kitchen ranges repaired | ... | ... | ... | ... | 27 |
| Insufficient water supply | ... | ... | ... | ... | 59 |
| Floors repaired or renewed | ... | ... | ... | ... | 27 |
| Yard walls repaired or renewed | ... | ... | ... | ... | 15 |
| Doors repaired or renewed | ... | ... | ... | ... | 15 |
| Steps renewed | ... | ... | ... | ... | 3 |
| Staircases repaired | ... | ... | ... | ... | 4 |
| Yard surfaces renewed | ... | ... | ... | ... | 9 |
| Wash boilers renewed | ... | ... | ... | ... | 21 |
| Caravans removed | ... | ... | ... | ... | 17 |
| Animals or refuse removed | ... | ... | ... | ... | 24 |

VERMINOUS PREMISES.

Owing to the presence of vermin (bugs, fleas, etc.) 104 houses were disinfected by this Department. The number of Council houses found infested by bugs was 27; other houses 13.

The disinfestation methods employed are the same as outlined in a previous report. All fluids used have D.D.T. incorporated.

. FACTORIES ACT, 1937.

| | | | | | |
|--------------------|-----|-----|-----|-----|-----|
| Number on Register | ... | ... | ... | ... | 232 |
| Inspections made | ... | ... | ... | ... | 586 |
| Notices given | ... | ... | ... | ... | 42 |
| Prosecutions | ... | ... | ... | ... | Nil |
| Outworkers | ... | ... | ... | ... | 2 |

Classification of Defects :—

| | | | | | |
|--------------------------------|-----|-----|-----|-----|-----|
| Want of cleanliness | ... | ... | ... | ... | 17 |
| Overcrowding | ... | ... | ... | ... | 2 |
| Unreasonable temperature | ... | ... | ... | ... | Nil |
| Inadequate ventilation | ... | ... | ... | ... | 3 |
| Ineffective drainage of floors | ... | ... | ... | ... | Nil |
| Sanitary Conveniences :— | | | | | |
| (a) insufficient | ... | ... | ... | ... | 2 |
| (b) unsuitable or defective | ... | ... | ... | ... | 15 |
| (c) not separate for sexes | ... | ... | ... | ... | 3 |
| Fire Escapes | ... | ... | ... | ... | 4 |

INSPECTION OF FOODSTUFFS.

A regular inspection has been made of all premises where food is prepared, stored or sold. The following foodstuffs were found unfit for human consumption :—

| | |
|---------------------------------------|---------------------------|
| Beef (74lbs.) | Sugar (2 ozs.) |
| Bacon (10 $\frac{3}{4}$ lbs.) | Chocolate (163lbs.) |
| Ham (89lbs.) | Toffees (35lbs.) |
| Black Puddings (28lbs.) | Prunes (30lbs.) |
| Cod Fillet (14 stones) | Walnuts (36lbs.) |
| Haddock (3 stones) | Treacle Puddings (3 tins) |
| Lemon Sole (8 stones) | Jam or Marmalade |
| Halibut (2 stones) | (96 tins) |
| Plaice (24 stones) | Macedoines (2 tins) |
| Dried Egg (1lb.) | Beetroot (16 tins) |
| Tomatoes (500lbs.) | Carrots (19 tins) |
| Sausage Meal (1 cwt.) | Stringless Beans (1 tin) |
| Self-Raising Flour (57lbs.) | Sheep Tongues (1 tin) |
| Custard Powder (2 $\frac{1}{4}$ lbs.) | Ox Tongue (4 tins) |
| Semolina (24lbs.) | Sausages (4 tins) |
| Sponge Mixture (20lbs.) | Corned Beef (1 tin) |
| Barley Flakes (69lbs.) | Stewed Steak (13 tins) |
| Corn Flakes (31lbs.) | Pork (18 tins) |
| Wheat Flakes (4lbs.) | Meat and Vegetables |
| Pearl Barley (72lbs.) | (7 tins) |
| Shredded Wheat (14lbs.) | Veal & Ham Loaf (7 tins) |
| Rusks (2 $\frac{1}{2}$ lbs.) | Veal Loaf (10 tins) |
| Plum Puddings (24lbs.) | Bacon (5 tins) |
| Cheese (2 $\frac{1}{4}$ lbs.) | Meat Lunch (21 tins) |
| Malted Milk Tablets | Milk (765 tins) |
| (6 $\frac{1}{2}$ oz.) | Soup (130 tins) |
| Tea (13lbs.) | Pickles (19 jars) |

| | |
|---------------------------|----------------------------|
| Olives (4 jars) | Red Cabbage (2 tins) |
| Corn on the Cob (1 tin) | Mixed Vegetables (72 tins) |
| Grape Fruit (22 tins) | Spaghetti (14 tins) |
| Strawberries (2 tins) | Turnips (1 tin) |
| Blackberries (8 tins) | Parsnips (13 tins) |
| Pineapples (4 tins) | Beans (87 tins) |
| Dates (56 Boxes) | Potatoes (47 tins) |
| Pears (5 tins) | Meat and Fish Pastes |
| Plums (183 tins) | (73 tins/jars) |
| Fruit Cocktail (37 tins) | Minced Beef Loaf (10 tins) |
| Peaches (14 tins) | Lobster (2 tins) |
| Grapefruit Juice (4 tins) | Crayfish (1 tin) |
| Orange Juice (5 tins) | Pilchards (13 tins) |
| Apples (6 tins) | Snoek (1 tin) |
| Cherries (1 tin) | Salmon (52 tins) |
| Apricots (9 tins) | Mussels (17 tins) |
| Grapes (7 tins) | Cockles (1 tin) |
| Oranges (12 tins) | Sardines (22 tins) |
| Rhubarb (3 tins) | Herrings (1 tin) |
| Tomato Juice (11 tins) | Crab (1 tin) |
| Tomatoes (39 tins) | Silver Hake (2 tins) |
| Spinach (1 tin) | Pate-de-fois (5 tins) |
| Peas (180 tins) | |

The approximate weight of foodstuffs condemned was $2\frac{1}{4}$ tons.

In all cases Certificates were issued under the Food and Drugs Act, 1938, to the respective vendors, and as far as possible Ministry of Food Circular M.F. 3/4 has been followed regarding salvage of unsound foods.

(Signed) RICHARD JAMES,
Chief Sanitary Inspector.

REGISTRAR-GENERAL'S TABLE OF DEATHS IN WORKINGTON AREA, 1948.

| | Males. | Females |
|-------------------------------------|--------|---------|
| Typhoid and Paratyphoid Fever | — | — |
| Cerebro-Spinal Fever | 1 | — |
| Scarlet Fever | — | — |

| | | |
|---|-------|-------|
| Whooping Cough | 1 | — |
| Diphtheria | — | — |
| T.B. of Respiratory System | 10 | 8 |
| Other Forms of Tuberculosis | 2 | — |
| Syphilitic Diseases | — | — |
| Influenza | 1 | — |
| Measles | — | — |
| Ac. Polio-myelitis and Polio- encephalitis | — | — |
| Acute Infantile Encephalitis | — | — |
| Cancer of Buccal Cavity and Oesophagus | 4 | — |
| Cancer of Uterus | — | 2 |
| Cancer of Stomach and Duodenum | 8 | 2 |
| Cancer of Breast | — | 7 |
| Cancer of all other sites | 15 | 10 |
| Diabetes | — | 1 |
| Inter-cranial vascular lesions | 19 | 13 |
| Heart Diseases | 50 | 37 |
| Other Diseases of Circulatory System ... | 4 | 2 |
| Bronchitis | 5 | 11 |
| Pneumonia | 5 | 4 |
| Other Respiratory Diseases | 2 | 2 |
| Ulcer of Stomach or Duodenum | 2 | 1 |
| Diarrhoea (under 2 years) | 2 | — |
| Appendicitis | 2 | 4 |
| Other Digestive Diseases | 3 | 5 |
| Nephritis | 2 | — |
| Puerperal and Post-abortion Sepsis | — | — |
| Other Maternal Causes | — | — |
| Premature Birth | 5 | 1 |
| Congenital Malformation : | | |
| Birth Injury—Infant Diseases ... | 3 | 1 |
| Suicide | 2 | 1 |
| Road Traffic Accidents | — | — |
| Other Violent Causes | 8 | — |
| All other Diseases | 21 | 21 |
| | <hr/> | <hr/> |
| | 178 | 133 |
| | <hr/> | <hr/> |

